



Safety Topic of the Month

Fall Prevention

Richmond Refinery

December 2010



Did You Know?

Anyone working in the refinery at heights greater than six (6) feet, where there are no existing fall protection systems (e.g., guardrails), has to wear a body harness with properly secured lanyards.

Common Sense Health Warning

Serious injury or death can result from failing to manage the risks associated with working at 6 feet or more above grade!!!

Managing the Risks

There are several ways to manage risks associated with falls:

- Elimination – Can you eliminate the need for working at height by modifying existing procedures, redesigning equipment, etc?
- Prevention – Can you prevent potential falls by working within a permanent platform, a scaffold, or using another approved temporary access?
- PPE – If neither of the above are possible, can you manage falling risks by using approved fall arresting systems (harness, lanyards, lifelines, etc.)?

What You Can DO

LPSS Step - Assess



- Review the task and the work area to identify potential tripping and fall hazards
- Is fall protection equipment needed for the task?
- Are you going to use a portable ladder?
- Do the stairs have handrails?
- Are there potential housekeeping concerns?



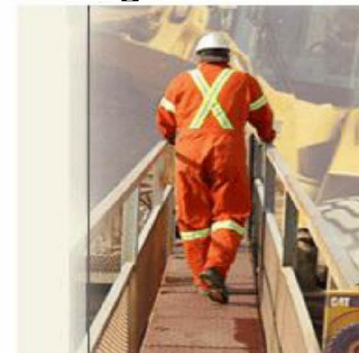
Could you use any of these questions at home?
Are you likely to be putting up or taking down
holiday decorations in the near future?

What You Can DO

LPSA - Analyze



- Analyze each potential tripping and fall hazards before you start a task
- If you're going to need fall protection, inspect the equipment for defects
- How can you secure and stabilize any portable ladders you're going to use?
- Is your ladder tall enough?
- If the stairs have handrails, are they in good condition?
- How can you organize your work area to ensure good housekeeping?

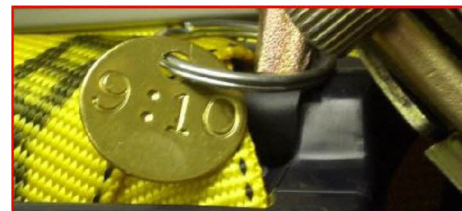


What You Can DO

LPSA - Act

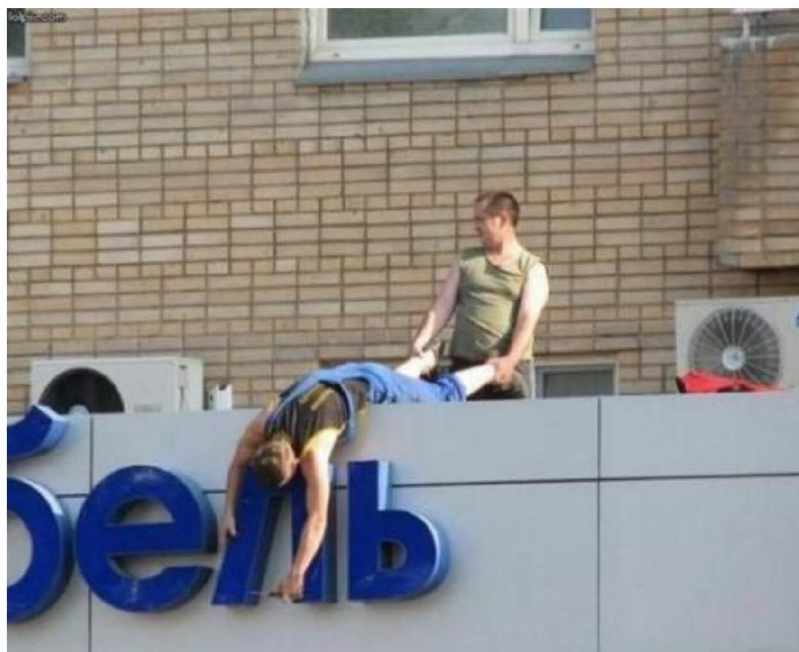


- Mitigate all potential tripping and fall hazards before you start work
 - Cover or guard openings, etc.
- Replace any fall protection equipment that is defective or has an expired date stamp
- Secure and stabilize all portable ladders before climbing them
- Make sure your step or extension ladder is tall enough so you don't need to stand on the top rung or step
- Use handrails when you go up or down stairs
- Keep electrical cords, welding leads and air hoses out of walkways or adjacent work areas



Inadequate Risk Assessment – No LPSA

You wouldn't do this..



Would you?

Closed Near Loss/ Near Miss Richmond Refinery, 10/20/10 – 11/23/10



Near Loss ID	Date	Division 9	Short Description	Immediate Corrective Actions Taken	Potential Severity Class.	Location of Loss/Near Loss
680	10/20	Hydro - C Crew	20 plant over pressured K1900	Took 20 plant out of K1900 feed stream	Level 1	Rich Hydroprocessing RLOP RLOP Flare
1098	10/27	Maintenance General Support	Opened flange with live steam - no one hurt	Line was walked again and depressured. Will look at system again to verify where blind should go.	Level 1	Rich Crack FCC Utility Area
1195	10/27	Shutdown Maint. GS	Hole watch left man in hole unattended	Welltech had safety stand down	Level 1	
1201	10/28	Maintenance General Support	Missed an access point when putting up Scott Air tape	All concerned parties should verify that access is completely denied	Level 1	Rich Crack FCC NGRU
1526	10/31	IMPACT	Hose failure	Hose was lowered down and the basket was used to lift replacement hose, and the hoses will be tied off at every deck.	Level 1	Rich Crack FCC Structure
1788	11/4	Sturgeon & Son	Breakdown in the Bin Releasing Procedure and mis delivered bin.	Chevron Representative has been informed as soon as the Site Supervisor realized that the bin that supposed to be delivered was still on-site.	Level 1	Rich U&E Haz Waste Section Other
1850	11/6	Safety General Support	Forklift tapped a staging	Informed Brand scaffold. Brand has looked it over and no damage was done	Level 1	Rich Crack FCC Structure
2043	11/10	U&E - A Crew	Operator inadvertently backed into an electrical panel and tripped breaker.	Immediately restored power to affected plant/equipment.	Level 1	Rich Hydroprocessing RLOP HNC
2442	11/15	Shutdown Maint. GS	Installed blinds without blind tags	Work was stopped and discussed at 6:00 AM meeting.	Level 1	Rich Hydroprocessing N Isomax Other (N.Iso)

Report Near Losses Anonymously! Click here



Review TOP Lessons Learned

Learning from our past incidents will help us prevent them in the future. Please take a few minutes now to review the TOP lessons learned.

TOP Lessons Learned